



ANVIL FORGED CARBON STEEL FITTINGS & FORGED STEEL UNIONS *Screwed and Socket Welding*

Price Sheet FS.01.09C | Effective: January 5, 2009 | Cancels Price Sheet FS.08.08C of August 4, 2008

FREIGHT ALLOWANCE:

All prices quoted F.O.B. our Distribution Centre, Simcoe, Ontario; Edmonton, Alberta; Montreal, Quebec or freight equalized thereon; with full freight allowed on 1,000 lbs. or \$1,500 to recognized delivery points in Canada. All shipments will be made from the nearest distribution centre via the least expensive mode, unless otherwise instructed. Whenever a buyer selects a more expensive method for shipment, or alternate distribution centre, the difference in transportation costs will be for the buyer's account.

NOTE:

All orders are accepted on the basis of prices in effect at the time of shipment.

NOTICE:

To the prices and terms quoted, there will be added any manufacturers or sales tax payable on the transaction under any effective statute.

GENERAL

- UPC numbers and SPIN commodity identification numbers are available upon request.
- To obtain current ISO certifications, listings, and other approvals, visit Anvil's Web site at www.anvilintl.com.
- Pricing is subject to change without notice. Go to Anvil's Web site for the most current list price information, or contact your local Anvil representative.

LOSS OR DAMAGE CLAIMS:

All goods are shipped at buyer's risk. Shipments should be carefully examined upon delivery and before the carrier's delivery receipt is signed. If any loss or damage is evident, the buyer should make an appropriate notation on the delivery receipt and insist that the carrier's driver initial such exception. The contents of all packages should be carefully examined for concealed damage as soon as possible after delivery, so that the carrier can be requested, within 48 hours after delivery, to arrange for prompt inspection of the damaged goods.

NATIONAL TOLL FREE HOTLINE

800-661-8998

www.anvilintl.ca

1. CONTROLLING PROVISIONS:

These terms and conditions shall control with respect to any purchase order or sale of Seller's products. No waiver, alteration or modification of these terms and conditions whether on Buyer's purchase order or otherwise shall be valid unless the waiver, alteration or modification is specifically accepted in writing and signed by an authorized representative of Seller.

2. DELIVERY:

Seller will make every effort to complete delivery of products as indicated on Seller's acceptance of an order, but Seller assumes no responsibility or liability, and will accept no backcharge, for loss or damage due to delay or inability to deliver caused by acts of God, war, labor difficulties, accident, delays of carriers, by contractors or suppliers, inability to obtain materials, shortages of fuel and energy, or any other causes of any kind whatever beyond the control of Seller. Seller may terminate any contract of sale of its products without liability of any nature, by written notice to Buyer, in the event that the delay in delivery or performance resulting from any of the aforesaid causes shall continue for a period of sixty (60) days. Under no circumstances shall Seller be liable for any special or consequential damages or for loss, damage, or expense (whether or not based on negligence) directly or indirectly arising from delays or failure to give notice of delay.

3. WARRANTY:

Seller warrants for one year from the date of shipment Seller's manufactured products to the extent that Seller will replace those having defects in material or workmanship when used for the purpose and in the manner which Seller recommends. If Seller examination shall disclose to its satisfaction that the products are defective, and an adjustment is required, the amount of such adjustment shall not exceed the net sales price of the defective products only and no allowance will be made for labor or expense of repairing or replacing defective products or workmanship of damage resulting from the same. Seller warrants the products which it sells of other manufacturers to the extent of the warranties of their respective makers. Where engineering design or fabrication work is supplied. Buyer's acceptance of Seller's design or of delivery of work shall relieve Seller of all further obligation, other than expressed in Seller's product warranty. THIS IS SELLER'S SOLE WARRANTY. SELLER MAKES NO OTHER WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FOR A PARTICULAR PURPOSE WHICH EXCEED SELLER'S AFORESTATED OBLIGATION ARE HEREBY DISCLAIMED BY SELLER AND EXCLUDED FROM THIS WARRANTY. Seller neither assumes, nor authorizes any person to assume for it, any other obligation in connection with the sale of its engineering designs or products. This warranty shall not apply to any products or parts of products which (a) have been repaired or altered outside of Seller's factory, in any manner; (b) have been subjected to misuse, negligence or accidents; (c) have been used in a manner contrary to Seller's instructions or recommendations. Seller shall not be responsible for design errors due to inaccurate or incomplete information supplied by Buyer or its representatives.

4. SELLER'S LIABILITY:

Seller will not be liable for any loss, damage, cost of repairs, incidental or consequential damages of any kind, whether based upon warranty (except for the obligation accepted by Seller under "Warranty" above), contract or negligence, arising in connection with the design, manufacture, sale, use or repair of the products or of the engineering designs supplied to Buyer.

5. RETURNS:

Seller cannot accept return of any products unless its written permission has been first obtained, in which case same will be credited subject to the following (a) All material returned must, on its arrival at Seller's Plant, be found to be in first-class condition; if not, cost of putting in saleable condition will be deducted from credit memoranda; (b) A handling charge deduction of twenty-five percent (25%) will be made from all credit memoranda issued for material returned; (c) Transportation charges, if not prepaid will be deducted from credit memoranda.

6. SHIPMENTS:

All products sent out will be carefully examined, counted and packed. The cost of any special packing or special handling caused by Buyer's requirements or requests shall be added to the amount of the order. No claim for shortages will be allowed unless made in writing within ten (10) days of receipt of a shipment.

Claims for products damaged or lost in transit should be made on the carrier, as Seller's responsibility ceases, and title passes, on delivery to the carrier.

7. SPECIAL PRODUCTS:

Orders covering special or nonstandard products are not subject to cancellation except on such terms as Seller may specify on application.

8. PRICES AND DESIGNS:

Prices and designs are subject to change without notice. All prices are F.O.B. Point of shipment, unless otherwise stated.

9. TAXES:

The amount of any sales, excise or other taxes, if any, applicable to the products covered by this order, shall be paid by Buyer unless Buyer provides Seller with an exemption certificate acceptance to the taxing authorities.

10. NUCLEAR PLANTS:

Where the products, engineering design or fabrication is for nuclear plant applications. Buyer agrees (a) to take all necessary steps to add Seller as an insured under the American Nuclear Insurers' (ANI) pool and under the Mutual Atomic Energy Reinsurance Pool (MAERP) for property damage and liability insurance and if necessary steps could have been taken, but are not taken, Buyer shall hold Seller harmless against all such losses which could have been thus covered (b) Buyer agrees to hold Seller harmless with respect to any personal injury (for death), property damage or other loss in a nuclear incident which is caused directly or indirectly by defective design, material, workmanship furnished by Seller (or which could be so covered but with respect to which Buyer has elected to self-insure), and further agrees to waive subrogation by its carriers of such insurance against Seller, and (c) as to nuclear hazards for which Buyer cannot obtain insurance coverage, the liability of Seller for any personal injury (or death), property damage or other loss directly caused by defective design, material, or workmanship furnished by Seller shall not exceed the value at the time of the loss occurrence.

11. MINIMUM INVOICE:

Domestic: \$100 plus transportation.
International: \$500 plus transportation.

12. TERMS:

Cash, net 30 days unless otherwise specified.

NOTE: All orders are accepted on the basis of prices in effect at the time of shipment.

NOTICE: The prices and terms quoted, there will be added any manufacturers or sales tax payable on the transaction under any effective statute.

FREIGHT ALLOWANCE: All prices quoted F.O.B. our Distribution Centre, Simcoe, Ontario; Edmonton, Alberta; Montreal, Quebec or freight equalized thereon; with full freight allowed on 1,000 lbs. or \$1,500 to recognized delivery points in Canada. All shipments will be made from the nearest distribution centre via the least expensive mode, unless otherwise instructed. Whenever a buyer selects a more expensive method for shipment, or alternate distribution centre, the difference in transportation costs will be for the buyer's account.



FORGED STEEL FITTINGS *Price List*

Effective Date: January 5, 2009 | Replaces Prior Date: August 2008 | Sheet # FS.01.09C

Material Specification - ASTM A-105, ASME SA-105 | Manufacturing Specification - ASME B 16.11

CLASS 2000 THREADED FITTINGS

NOMINAL PIPE SIZE		1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
90° Elbows	LIST	\$15.21	\$15.21	\$15.21	\$20.61	\$22.86	\$28.66	\$47.73	\$73.77	\$93.18	\$224.32	\$413.78	-
	WGT. EACH	0.20	0.31	0.32	0.54	0.80	0.97	1.60	2.44	4.04	6.60	8.94	-
	CTN. QTY.	25	-	-	-	-	-	-	-	-	-	-	-
45° Elbows	LIST	-	\$25.52	\$25.52	\$25.52	\$29.14	\$34.09	\$55.85	\$64.72	\$117.42	\$298.45	\$513.74	-
	WGT. EACH	-	0.10	0.28	0.47	0.59	0.93	1.42	1.80	2.67	7.70	12.00	-
	CTN. QTY.	-	-	-	-	-	-	-	-	-	-	-	-
Tees	LIST	-	\$21.80	\$24.44	\$27.27	\$37.34	\$51.01	\$75.25	\$106.84	\$132.41	\$345.79	\$573.64	\$1,305.82
	WGT. EACH	-	0.24	0.43	0.72	0.94	2.00	2.09	3.09	4.14	9.10	11.95	28.23
	CTN. QTY.	-	-	-	-	-	-	-	-	-	-	-	-
Crosses	LIST	-	\$49.55	\$64.30	\$65.69	\$71.89	\$93.33	\$153.84	\$225.74	\$304.96	-	-	-
	WGT. EACH	-	0.10	0.40	0.85	1.13	1.57	2.40	3.61	5.29	-	-	-
	CTN. QTY.	-	-	30	-	-	-	-	-	-	-	-	-

Forged Steel Fittings "Extras" – Below

■ Sold in box only.

FORGED STEEL FITTINGS "EXTRAS"

Electrogalvanized Fittings	Plus 20%
Threaded by Socket Weld Fittings.....	Plus 100%
True Reducing Fittings, Threaded and Socket Weld.....	Plus 100%
Reducing Couplings, Hex Head Bushings and Socket Weld	
Reducer Inserts Beyond First Five Size Reductions.....	POA
Class 3000 Socket Weld Fittings For Schedule 80 Bore.....	Plus 100%
Class 9000 Socket Weld Fittings (For XXH Bore).....	POA

CLASS 3000 THREADED FITTINGS

NOMINAL PIPE SIZE		1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
90° Elbows	LIST	\$20.88	\$20.88	\$23.45	\$23.45	\$30.04	\$43.44	\$73.73	\$109.42	\$130.49	\$322.01	\$484.07	\$1,018.48
	WGT. EACH	0.43	0.37	0.65	1.00	1.57	2.20	2.99	5.62	5.73	12.03	17.20	32.34
	CTN. QTY.	-	-	-	-	-	-	-	-	-	-	-	-
45° Elbows	LIST	\$26.37	\$26.37	\$28.87	\$30.12	\$34.45	\$47.65	\$68.51	\$104.47	\$144.01	\$356.44	\$579.38	\$1,037.82
	WGT. EACH	0.18	0.10	0.57	0.75	1.31	1.98	2.44	4.09	4.42	7.76	12.00	19.70
	CTN. QTY.	-	-	-	-	-	-	-	-	-	-	-	-
Tees	LIST	\$25.85	\$25.85	\$27.64	\$30.09	\$46.23	\$58.66	\$97.67	\$133.74	\$176.88	\$398.47	\$798.76	\$1,305.82
	WGT. EACH	0.55	0.52	0.86	1.78	1.78	3.10	3.62	7.12	7.20	13.70	21.00	39.00
	CTN. QTY.	-	-	-	-	-	-	-	-	-	-	-	-
Crosses	LIST	\$58.42	\$58.42	\$70.70	\$70.70	\$102.38	\$119.97	\$199.65	\$264.20	\$375.91	\$136.36	-	-
	WGT. EACH	0.56	0.61	1.00	1.53	2.20	3.81	4.92	8.37	8.14	17.10	-	-
	CTN. QTY.	10	15	15	-	-	-	-	-	-	-	-	-
90° Street Elbows	LIST	\$32.43	\$32.43	\$32.43	\$34.74	\$44.53	\$56.97	\$95.88	\$121.62	\$173.61	-	-	-
	WGT. EACH	0.25	0.24	0.39	0.55	1.01	1.74	2.51	4.19	5.53	-	-	-
	CTN. QTY.	-	-	-	-	-	-	-	-	-	-	-	-
Laterals	LIST	PRICE ON APPLICATION											
Couplings	LIST	\$11.04	\$11.04	\$11.04	\$10.47	\$14.29	\$21.50	\$41.01	\$55.13	\$71.12	\$144.68	\$316.32	\$604.92
	WGT. EACH	0.12	0.10	0.13	0.28	0.42	0.84	1.56	2.16	3.02	4.75	6.70	12.72
	CTN. QTY.	50	50	50	50	50	25	10	12	10	5	50	24
Half Couplings	LIST	\$6.29	\$6.29	\$6.29	\$7.85	\$8.39	\$13.52	\$21.02	\$28.14	\$39.99	\$84.28	\$222.01	\$366.68
	WGT. EACH	0.06	0.05	0.07	0.15	0.21	0.42	0.79	1.07	1.51	2.31	3.35	6.32
	CTN. QTY.	100	100	100	50	100	25	20	20	10	10	8	48
Reducing Couplings	LIST	-	\$13.88	\$13.88	\$15.67	\$21.76	\$31.76	\$51.18	\$64.47	\$97.32	\$501.74	\$819.51	\$1,282.25
	WGT. EACH	-	0.10	0.15	0.35	0.52	1.10	2.08	2.93	4.40	7.50	10.00	17.20
	CTN. QTY.	-	-	-	-	-	-	-	-	-	-	4	24
Pipe Caps	LIST	\$12.23	\$12.23	\$12.23	\$13.30	\$18.54	\$28.34	\$33.02	\$45.15	\$70.11	\$202.64	\$381.26	\$453.31
	WGT. EACH	0.08	0.10	0.11	0.24	0.38	0.73	1.80	2.05	2.78	4.80	6.87	12.82
	CTN. QTY.	100	-	50	20	20	25	12	12	8	4	6	4

Reducing Couplings – (Limit to 5 Reductions)

■ Sold in box only.

All others – Refer to page 3.

All Reducing Fittings – Refer to page 3.

CLASS 6000 THREADED FITTINGS

NOMINAL PIPE SIZE		1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
90° Elbows	LIST	POA	POA	\$43.86	\$39.60	\$50.53	\$64.67	POA	POA	\$296.64	-	-	-
	WGT. EACH	0.40	0.75	1.00	1.94	2.60	3.93	5.80	7.81	14.10	-	-	-
	CTN. QTY.	25	30	20	30	20	10	5	8	4	-	-	-
45° Elbows	LIST	-	POA	POA	\$52.76	\$73.65	POA	POA	\$221.16	\$308.37	-	-	-
	WGT. EACH	-	0.56	0.88	1.30	1.30	2.90	4.60	5.60	5.60	-	-	-
	CTN. QTY.	-	-	25	15	-	15	10	9	-	-	-	-
Tees	LIST	-	\$48.99	POA	\$50.67	\$67.57	\$111.85	\$142.68	POA	\$370.90	POA	-	-
	WGT. EACH	-	0.96	1.30	2.27	3.71	5.19	7.80	9.81	17.40	49.00	-	-
	CTN. QTY.	-	10	-	20	10	10	5	6	25	-	-	-
Crosses	LIST	-	-	-	POA	\$374.56	POA	POA	POA	\$934.48	-	-	-
	WGT. EACH	-	-	-	2.60	4.20	5.70	9.60	9.60	21.40	-	-	-
	CTN. QTY.	-	-	-	25	5	-	5	-	-	-	-	-
90° Street Elbows	LIST	-	-	-	POA	\$138.57	POA	-	-	-	-	-	-
	WGT. EACH	-	-	-	1.00	1.60	2.80	-	-	-	-	-	-
	CTN. QTY.	-	-	-	-	-	-	-	-	-	-	-	-
Laterals	LIST	PRICE ON APPLICATION											
	WGT. EACH	PRICE ON APPLICATION											
	CTN. QTY.	PRICE ON APPLICATION											
Couplings	LIST	\$26.09	\$26.09	\$26.09	\$20.40	\$22.16	\$34.53	\$79.86	\$79.86	\$138.10	\$530.65	\$1,273.54	-
	WGT. EACH	0.19	0.28	0.45	0.70	0.95	1.89	2.08	4.06	6.10	9.00	13.80	-
	CTN. QTY.	50	20	40	25	20	10	-	8	4	-	2	-
Half Couplings	LIST	\$23.47	\$23.47	\$18.76	\$18.76	\$18.76	\$23.24	\$55.26	\$57.26	\$101.91	\$547.60	\$1,254.25	-
	WGT. EACH	0.10	0.14	0.20	0.36	0.48	0.96	1.20	2.00	3.02	4.50	6.90	-
	CTN. QTY.	-	75	25	50	15	10	-	12	12	5	5	-
Reducing Couplings	LIST	-	POA	POA	\$210.94	\$210.94	\$253.12	POA	POA	POA	-	-	-
	WGT. EACH	-	0.14	0.40	0.76	1.04	2.09	2.73	4.70	7.50	-	-	-
	CTN. QTY.	-	-	-	25	20	10	-	-	-	-	-	-
Pipe Caps	LIST	\$25.82	\$25.82	\$25.82	\$29.16	\$44.30	\$47.12	\$103.42	\$121.82	\$144.79	-	-	-
	WGT. EACH	0.20	0.18	0.35	0.53	0.80	1.56	2.00	2.98	2.90	-	-	-
	CTN. QTY.	-	50	-	15	20	10	10	8	5	-	-	-

CLASS 3000 SOCKET WELD FITTINGS (For Schedule 40 Bore*)

NOMINAL PIPE SIZE		1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
90° Elbows	LIST	\$21.68	\$21.68	\$22.76	\$24.93	\$25.71	\$33.18	\$52.07	\$69.04	\$102.96	\$232.93	\$420.25	\$996.01
	WGT. EACH	0.22	0.35	0.31	0.51	0.75	1.18	1.75	2.15	3.62	11.13	10.56	23.00
	CTN. QTY.	25	-	-	-	-	-	-	-	-	-	-	-
45° Elbows	LIST	POA	\$26.45	\$26.45	\$24.83	\$29.69	\$38.94	\$54.51	\$67.35	\$117.33	\$304.29	\$509.71	\$1,008.12
	WGT. EACH	0.18	0.29	0.22	0.44	0.57	0.81	1.35	1.79	2.60	7.50	10.40	21.90
	CTN. QTY.	25	25	25	-	-	-	-	-	-	-	-	-
Tees	LIST	\$27.89	\$27.89	\$28.87	\$28.16	\$41.33	\$48.27	\$65.57	\$101.98	\$143.19	\$329.80	\$865.54	POA
	WGT. EACH	0.28	0.25	0.31	0.65	0.86	1.28	1.90	2.80	3.97	7.63	12.13	29.00
	CTN. QTY.	20	20	25	-	-	-	-	-	-	-	-	-
Crosses	LIST	POA	POA	POA	\$94.61	\$97.63	\$99.99	\$130.14	\$212.45	POA	POA	POA	-
	WGT. EACH	0.45	0.38	0.32	0.81	1.02	1.60	2.30	3.45	5.26	20.00	20.00	-
	CTN. QTY.	-	-	-	8	-	25	5	8	5	-	-	-
Laterals	LIST	PRICE ON APPLICATION											
	WGT. EACH	PRICE ON APPLICATION											
	CTN. QTY.	PRICE ON APPLICATION											
Couplings	LIST	\$24.93	\$24.93	\$24.93	\$14.07	\$18.56	\$20.46	\$35.42	\$45.27	\$72.24	\$130.40	\$311.54	\$441.44
	WGT. EACH	0.10	0.11	0.15	0.27	0.38	0.68	0.87	0.99	1.62	2.48	4.14	5.51
	CTN. QTY.	50	50	25	50	40	20	25	20	10	10	5	4
Half Couplings	LIST	\$22.25	\$22.25	\$23.33	\$14.19	\$16.42	\$18.42	\$40.67	\$44.19	\$59.97	\$339.89	\$354.42	\$462.67
	WGT. EACH	0.10	0.13	0.18	0.34	0.45	0.84	1.10	1.32	2.10	3.15	4.00	7.10
	CTN. QTY.	50	50	25	25	30	20	25	10	10	10	5	4
Reducing Couplings	LIST	-	POA	POA	\$42.60	\$45.39	\$54.24	\$107.07	\$112.22	\$127.82	\$573.72	\$954.21	POA
	WGT. EACH	-	0.12	0.25	0.33	0.48	1.04	1.30	1.61	2.50	4.70	5.80	10.00
	CTN. QTY.	-	-	25	25	30	20	10	10	10	8	5	-
Pipe Caps	LIST	\$24.89	\$24.89	POA	\$17.57	\$20.40	\$31.24	\$36.46	\$49.66	\$77.23	\$392.73	\$429.84	POA
	WGT. EACH	0.07	0.10	0.14	0.22	0.30	0.60	1.82	2.08	2.72	7.50	8.19	7.50
	CTN. QTY.	100	100	50	20	25	25	15	8	12	12	5	4

* Schedule 80 Bore – Refer to Page 3.

■ Sold in box only.

CLASS 6000 SOCKET WELD FITTINGS (For Schedule 160 Bore)

NOMINAL PIPE SIZE		1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
90° Elbows	LIST	-	-	-	\$33.67	\$39.25	\$53.85	POA	\$117.09	\$175.18	-	-	-
	WGT. EACH	-	-	-	0.81	1.60	2.58	3.52	5.20	6.67	-	-	-
	CTN. QTY.	-	-	-	20	30	20	10	5	8	-	-	-
45° Elbows	LIST	-	-	-	POA	POA	POA	\$160.54	\$168.40	\$209.90	-	-	-
	WGT. EACH	-	-	-	0.75	1.14	1.88	2.20	4.25	4.94	-	-	-
	CTN. QTY.	-	-	-	25	15	10	20	12	9	-	-	-
Tees	LIST	-	-	-	\$41.58	\$57.85	\$72.44	\$186.99	POA	\$237.22	-	-	-
	WGT. EACH	-	-	-	1.17	1.82	3.40	3.80	7.32	7.75	-	-	-
	CTN. QTY.	-	-	-	40	25	10	10	5	-	-	-	-
Crosses	LIST	-	-	-	POA	POA	POA	-	POA	POA	-	-	-
	WGT. EACH	-	-	-	1.25	2.30	3.80	-	8.57	9.30	-	-	-
	CTN. QTY.	-	-	-	-	-	5	-	5	-	-	-	-
Laterals	LIST	PRICE ON APPLICATION											
	WGT. EACH	PRICE ON APPLICATION											
	CTN. QTY.	PRICE ON APPLICATION											
Couplings	LIST	-	-	-	\$24.02	\$25.31	\$34.00	\$103.56	\$103.56	\$137.20	POA	\$815.90	-
	WGT. EACH	-	-	-	0.33	0.65	1.24	1.11	2.02	3.73	4.89	6.71	-
	CTN. QTY.	-	-	-	50	25	10	15	10	6	5	5	-
Half Couplings	LIST	-	-	-	\$42.88	\$49.13	\$52.27	\$324.26	\$459.87	\$517.36	-	-	-
	WGT. EACH	-	-	-	0.53	0.77	1.46	1.80	2.57	4.73	-	-	-
	CTN. QTY.	-	-	-	50	25	10	15	10	25	-	-	-
Reducing Couplings	LIST	-	-	-	POA	\$204.93	\$223.00	\$269.00	\$355.01	\$467.87	POA	-	-
	WGT. EACH	-	-	-	0.23	0.81	1.29	1.29	3.20	5.40	7.10	-	-
	CTN. QTY.	-	-	-	-	-	20	15	10	10	-	-	-
Pipe Caps	LIST	-	-	-	\$33.53	\$48.92	\$51.82	\$120.15	\$156.67	\$233.46	-	-	-
	WGT. EACH	-	-	-	0.42	0.56	0.74	1.00	1.73	3.40	-	-	-
	CTN. QTY.	-	-	-	20	20	15	15	16	10	-	-	-

PLUGS AND BUSHINGS

NOMINAL PIPE SIZE		1/8"	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Square Head Plugs	LIST	\$5.23	\$5.55	\$6.30	\$6.47	\$8.62	\$12.04	\$19.71	\$27.10	\$43.48	\$120.76	\$201.90	\$297.67
	WGT. EACH	0.10	0.10	0.10	0.10	0.18	0.38	0.62	0.88	1.40	2.28	3.58	8.50
	CTN. QTY.	-	-	-	-	-	-	-	-	-	10	10	-
Hex Head Plugs	LIST	\$4.21	\$4.84	\$5.30	\$5.69	\$8.19	\$11.98	\$21.50	\$28.83	\$49.72	\$114.21	\$204.41	\$298.91
	WGT. EACH	0.03	0.05	0.09	0.13	0.27	0.48	0.94	1.20	2.40	3.17	5.30	11.56
	CTN. QTY.	-	-	-	-	-	-	-	-	-	15	9	5
Round Head Plugs	LIST	\$8.88	\$8.88	\$8.88	\$7.08	\$8.23	\$12.56	\$30.60	\$31.02	\$45.39	POA	POA	POA
	WGT. EACH	0.05	0.10	0.16	0.28	0.42	0.82	1.20	1.50	3.20	4.90	7.20	13.30
	CTN. QTY.	-	-	-	-	-	-	-	-	-	8	-	-
Hex Head Bushings	LIST	-	\$6.21	\$6.21	\$6.21	\$8.08	\$13.70	\$20.73	\$26.54	\$44.60	POA	-	-
	WGT. EACH	-	0.02	0.03	0.06	0.11	0.20	0.40	0.50	0.85	1.20	-	-
	CTN. QTY.	-	-	-	-	-	-	-	-	-	-	-	-
Flush Bushings	LIST	-	\$16.66	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA
	WGT. EACH	-	0.03	0.03	0.06	0.09	0.12	0.15	0.20	0.35	0.45	1.18	1.70
	CTN. QTY.	-	-	-	-	-	-	-	-	-	-	-	-

■ Sold in box only.

Design Basis MSS-SP-79

Material Specification - ASTM A-105, ASME SA-105

SOCKET WELDING REDUCER INSERTS*

SIZE (INCHES)		1/2 x 3/8" AND LESS	3/4 x 1/2" AND LESS	1 x 3/4" AND LESS	1 1/4 x 1" AND LESS	1 1/2 x 1 1/4" AND LESS	2 x 1 1/2" AND LESS	2 1/2 x 2" AND LESS	3 x 2 1/2" AND LESS
Class 3000 For Schedule 40 Bore)	LIST	\$27.10	\$30.12	\$36.58	\$42.39	\$53.45	\$72.27	\$502.16	\$636.27
	WGT. EACH	0.18	0.25	0.35	0.56	0.62	1.50	3.00	4.40
	CTN. QTY.	-	-	-	-	-	-	-	-
Class 6000 (For Schedule 160 Bore)	LIST	\$49.34	\$55.87	\$74.48	\$154.76	\$153.90	\$217.20	POA	POA
	WGT. EACH	0.15	0.41	1.10	1.60	2.90	-	2.20	3.00
	CTN. QTY.	-	-	-	-	-	-	-	-

* Hex Head Bushings and Socket Weld Reduced Inserts – Refer to Page 3 and 5.

FORGED STEEL UNIONS

Material Specification – ASTM A-105, ASME SA-105

Manufacturing to MSS SP 83

(Class 6000 by method of MSS SP 83)

CARBON STEEL ASTM A-105

Steel to Steel Seats

NOMINAL PIPE SIZE		1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"
Class 3000 Threaded Black	LIST	\$39.18	\$39.18	\$39.18	\$44.08	\$57.37	\$101.27	\$104.40	\$134.95	\$241.25	\$382.28
	WGT. EACH	0.30	0.50	0.70	1.20	1.70	2.50	3.30	5.30	8.60	12.70
	CTN. QTY.	-	-	-	-	720	-	-	180	-	-
Class 3000 Socket Weld Black	LIST	\$44.08	\$44.08	\$44.08	\$50.01	\$64.39	\$108.64	\$111.96	\$159.37	\$371.07	\$473.48
	WGT. EACH	0.30	0.50	0.70	1.20	1.70	2.50	3.30	5.30	8.60	12.70
	CTN. QTY.	-	-	-	-	-	-	-	-	-	-
Class 6000 Threaded Black	LIST	\$77.91	\$77.91	\$87.26	\$104.14	\$129.48	\$211.62	\$262.25	\$323.28	-	-
	WGT. EACH	0.60	0.80	1.40	2.00	3.10	5.90	6.60	10.50	-	-
	CTN. QTY.	-	-	-	-	-	-	-	-	-	-
Class 6000 Socket Weld	LIST	\$94.52	\$94.52	\$94.52	\$108.03	\$150.32	\$242.77	\$284.33	\$371.72	-	-
	WGT. EACH	0.60	0.80	1.40	2.00	3.10	5.90	6.60	10.30	-	-
	CTN. QTY.	-	-	-	-	-	-	-	-	-	-

■ Sold in box only.

FORGED STEEL HANDLE BAR UNIONS

CARBON STEEL ASTM A-105

Steel to Steel Seats

NOMINAL PIPE SIZE		3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Class 3000 Threaded Black	LIST	POA	POA	POA	POA	POA	POA	POA	POA	POA	POA
	WGT. EACH	0.50	0.80	1.40	1.90	2.80	3.70	6.10	10.40	14.40	15.80
	CTN. QTY.	-	-	-	-	-	-	-	-	-	-

- NOTES -



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